Modeling in the Behavioral & Social Sciences

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OBSSR Mission

- Enhance the impact of health-related behavioral and social sciences research
- Coordinate behavioral and social sciences research conducted or supported by the NIH and integrate these sciences within the larger NIH research enterprise
- Communicate health-related behavioral and social sciences research findings to various stakeholders within and outside the federal government

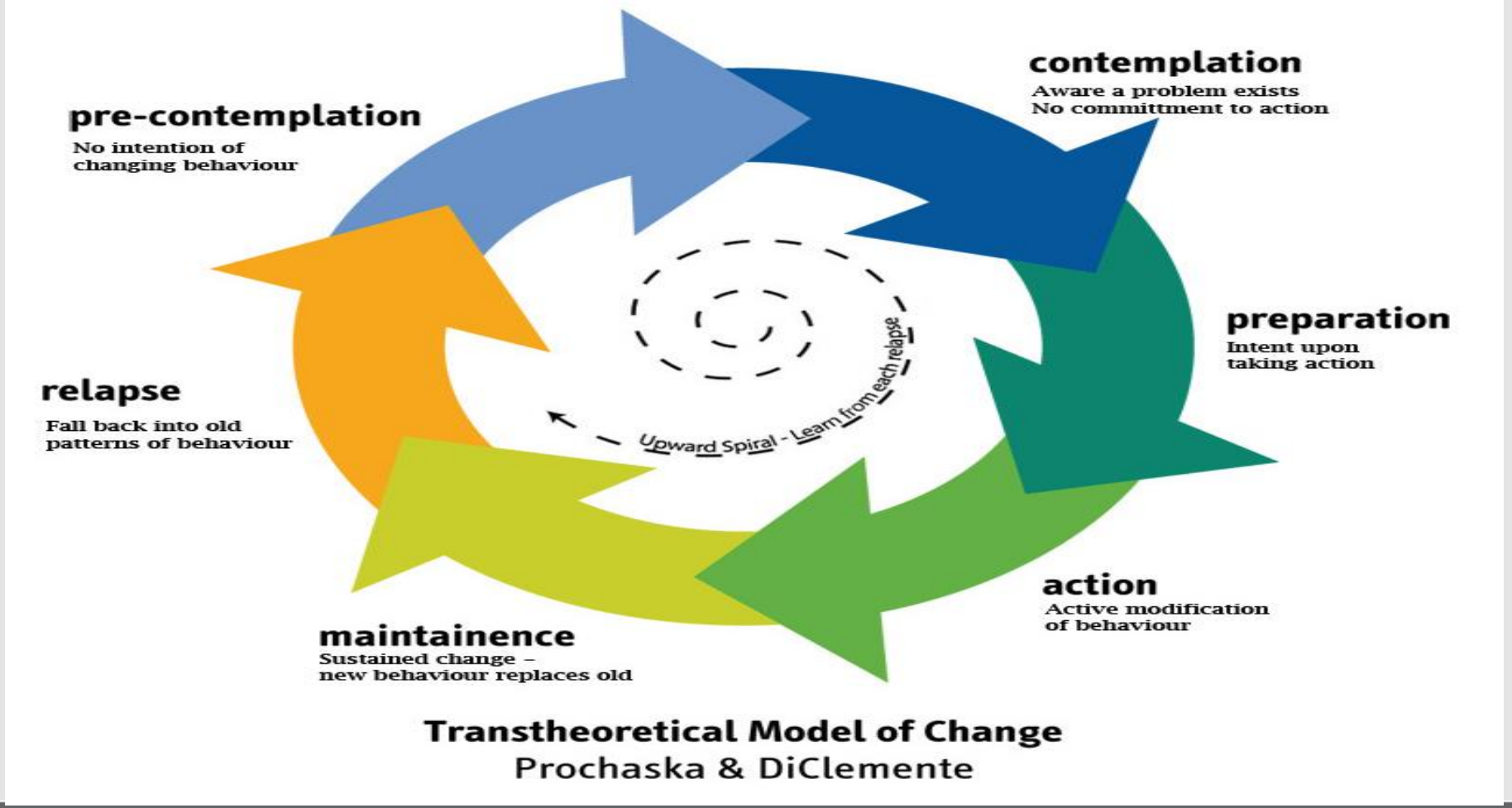
OBSSR Strategic Priorities

Improve the Synergy of Basic and Applied Behavioral and Social Science Research

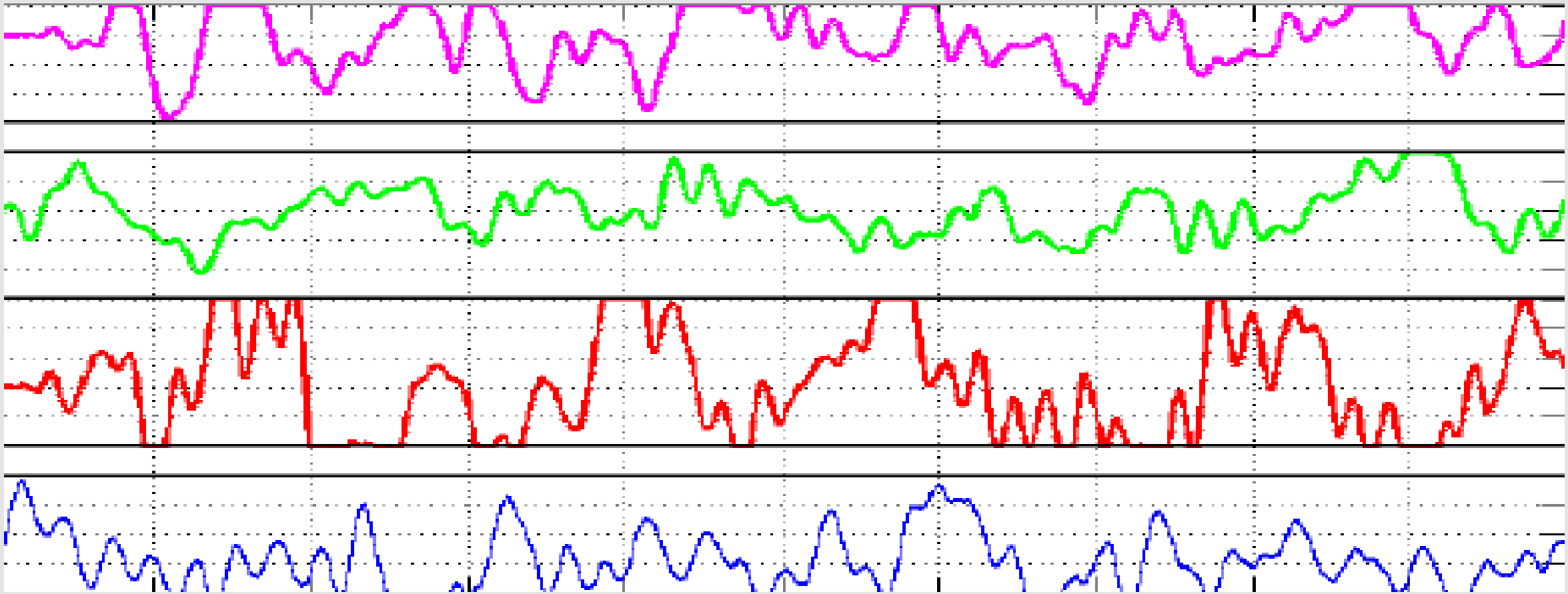
Enhance the Methods, Measures, and Data Infrastructures

Facilitate the Adoption of Behavioral and Social Science Research Findings in Health Research and Practice

Limitations of Current Theories & Models of Behavior Change



Intensive Longitudinal Assessment of Health Behavior



Potential Contributions of Intensive Longitudinal Assessment of Health Behaviors

- Improved Models of Behavior & Behavior Change
- Dynamic Behavioral Phenotyping
- Personalized interventions
- Identification of critical windows
  - Disease risk
  - Optimal intervention

Intensive Longitudinal Health Behaviors Network

PI(s)	Title
Chow	The center for innovation in intensive longitudinal studies (CIILS)
Nahum-Shani & Wetter	Novel use of mHealth data to identify states of vulnerability and receptivity to JITAIs **(smoking cessation)**
Vrieze & Friedman	A twin study of adolescent **alcohol and drug** use development: leveraging intensive longitudinal assessments
Dunton & Intille	Microtemporal processes underlying health behavior adoption & maintenance **(physical activity, sedentary behavior, & sleep)**
Nock	Intensive longitudinal study of **suicidal behaviors** and related health outcomes
Allen & Auerbach	MAPS: Mobile Assessment for the Prediction of **Suicide**
Baker & Rauch	Robust predictors of **mania and psychosis**
Spruijtz-Metz, Marlin & Klasnja	Operationalizing behavioral theory for mhealth: dynamics, context, & personalization **(physical activity & sedentary behavior)**

Predoctoral Training in Advanced Data Analytics for BSSR [T32]

Application Due Date(s): May 25, 2019

Funding Opportunity Purpose

This FOA solicits applications for new Behavioral and Social Sciences Research (BSSR) predoctoral training programs that focus on innovative computational and/or data science analytic approaches and their incorporation into training for the future BSSR health research workforce. The vision of the Advanced Data Analytics for BSSR training program is to support the development of a cohort of specialized predoctoral candidates who will possess advanced competencies in data science analytics to apply to an increasingly complex landscape of behavioral and social health-related big data.

https://grants.nih.gov/grants/guide/rfa-files/RFA-OD-19-011.html

Mentored Career Enhancement Awards in mHealth & Data Analytics: Cross-Training Behavioral and Social Sciences and STEM Disciplines (K18)

Application Due Date(s): July 12, 2019; July 12, 2020

Funding Opportunity Purpose

The goal of the program is to support the development of research capability in mobile and wireless health technology (e.g., wearable devices, mobile applications, electronic health records, data analytics). Special emphasis will be given to independent behavioral and social sciences investigators who seek to train in a STEM discipline (e.g., big data analysis, computational modeling, engineering, computer science, and mathematics) or to STEM scientists who which to train in a behavioral and social science discipline.

https://grants.nih.gov/grants/guide/pa-files/par-18-881.html
https://grants.nih.gov/grants/guide/pa-files/par-18-882.html